

STATE OF LOUISIANA AND THE
VERMILION PARISH SCHOOL BOARD

VERSUS

THE LOUISIANA LAND AND EXPLORATION
COMPANY, ET AL.

* 15TH JUDICIAL COURT
*
* PARISH OF VERMILION
*
* STATE OF LOUISIANA
*
* DOCKET NO. 82162
*
* DIVISION "D"
*

THIRD SUPPLEMENTAL EXPERT REPORT

JOHN R. FRAZIER, Ph.D., CHP

OPINIONS

Based on the data and information that I have reviewed since submission of my February 16, 2015 Second Supplemental Expert report in this matter I have reached the following conclusions with a reasonable degree of scientific certainty:

1. My opinions contained in my June 15, 2010 report, my June 4, 2014 supplemental report, and my February 16, 2015 second supplemental report in this matter are unchanged. The additional data that I have received, as shown in Attachment 1, affirm my previous opinions that oilfield NORM is not present at this site.
2. Groundwater samples collected from the subject property since my February 16, 2015 second supplemental report and analyzed for radionuclides show concentrations of NORM radionuclides (Ra-226 and Ra-228) that are consistent with natural background concentrations in groundwater and do not indicate the presence of oil field NORM.

I understand that additional groundwater data have been generated for this site, but I have not received those data. I reserve the right to amend this report should additional data or other information become available to me in the future.

Prepared and submitted by:



John R. Frazier, Ph.D., CHP

Date: February 15, 2016